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-- REMARKS --

In the Final Office Action, Examiner Dinh rejected pending claims 11-30 on various grounds. The Applicant responds to each rejection as subsequently recited herein:

- A. Examiner Dinh rejected pending claims 11-30 rejected under 35 U.S.C. §112, ¶2 as being indefinite for reciting "series resonant, series loaded configuration"

The Applicant has amended independent claims 11 and 15 to specify a series resonant, series load configuration having (1) a resonant inductor connected in series to the inverter, and (2) a resonant capacitor or a resonant capacitor array connected in series between the resonant inductor and an LED array. The Applicant has also amended independent claims 22 and 29 to specify a series resonant, series load configuration having a resonating impedance circuit/means connected in series between an inverter and one or more LED arrays.

Withdrawal of the rejection of claims 11-30 under 35 U.S.C. §112, ¶2 is therefore respectfully requested.

- B. Examiner Dink rejected pending claims 11-13, 15, 16, 22, 23 and 29 under 35 U.S.C. §102(e) as being anticipated by U.S. Patent No. 6,411,045 B1 to *Nerone*

The Applicant has thoroughly considered Examiner Dinh's remarks concerning the patentability of claims 11-3, 15, 16, 22, 23 and 29 over *Nerone*. The Applicant has also thoroughly read *Nerone*. To warrant this anticipation rejection of claims 11-3, 15, 16, 22, 23 and 29, *Nerone* must show each and every limitation of independent claims 11, 15, 22 and 29 in as complete detail as is contained in independent claims 11, 15, 22 and 29. See, MPEP §2131. The Applicant respectfully

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traverses this anticipation rejection of independent claims 11, 15, 22 and 29, because Nerone fails to disclose, teach or suggest the following limitations of independent claims 11, 15, 22 and 29:

1. "a first impedance circuit including a first resonant inductor and a first resonant capacitor connected to said first LED array in a first series resonant, series loaded configuration having said first resonant inductor connected in series to said inverter, and said first resonant capacitor connected in series between said first resonant inductor and said first LED array" as recited in independent claim 11;
2. "a first impedance circuit including a first resonant inductor and a first resonant capacitor array connected to said first LED array in a first series resonant, series loaded configuration having said first resonant inductor connected in series to said inverter, and said first resonant capacitor array connected in series between said first resonant inductor and said first LED array" as recited in independent claim 15,
3. "a first resonating impedance circuit connected to said first LED array in a first series resonant, series loaded configuration having said first resonating impedance circuit connected in series between said inverter and said first LED array" as recited in independent claim 22; and
4. "a resonating impedance means connected to each LED array in a series resonant, series loaded configuration having said resonating impedance means connected in series between said inverter and each LED array" as recited in independent claim 29.

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Specifically, as illustrated in FIGS. 1-4, *Nerone* fails to disclose a resonant inductor 150 and a resonant capacitor 155 connected to various LED arrays 165, 260, 310, 410 in a series resonant, series loaded configuration due to the failure of resonant capacitor 155 being connected in series between resonant inductor 150 and the LED arrays 165, 260, 310, 410. Furthermore, *Nerone* fails to teach or suggest a series connection of resonant capacitor 155 between resonant inductor 150 and the LED arrays.

Withdrawal of the rejection of independent claims 11, 15, 22 and 29 under 35 U.S.C. §102(e) as being anticipated by *Nerone* is respectfully requested.

Claims 12 and 13 depend from independent claim 11. Therefore, dependent claims 12 and 13 include all of the elements and limitations of independent claim 11. It is therefore respectfully submitted by the Applicant that dependent claims 12 and 13 are allowable over *Nerone* for at least the same reason as set forth herein with respect to independent claim 11 being allowable over *Nerone*. Withdrawal of the rejection of dependent claims 12 and 13 under 35 U.S.C. §102(e) as being anticipated by *Nerone* is respectfully requested.

Claim 16 depends from independent claim 15. Therefore, dependent claim 16 includes all of the elements and limitations of independent claim 15. It is therefore respectfully submitted by the Applicant that dependent claim 16 is allowable over *Nerone* for at least the same reason as set forth herein with respect to independent claim 15 being allowable over *Nerone*. Withdrawal of the rejection of dependent claim 15 under 35 U.S.C. §102(e) as being anticipated by *Nerone* is respectfully requested.

Claim 23 depends from independent claim 22. Therefore, dependent claim 23 includes all of the elements and limitations of independent claim 22. It is therefore respectfully submitted by the Applicant that dependent claim 23 is allowable over *Nerone* for at least the same reason as set forth herein with respect to independent claim 22 being allowable over *Nerone*. Withdrawal of the rejection of dependent claim 23 under 35 U.S.C. §102(e) as being anticipated by *Nerone* is respectfully requested.

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- C. Examiner Dinh rejected pending claims 17, 24 and 30 under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,411,045 B1 to *Nerone* in view of WO 01/01385 A1 to *Reymond*

Claim 17 depends from independent claim 15. Therefore, dependent claim 17 includes all of the elements and limitations of independent claim 15. It is therefore respectfully submitted by the Applicant that dependent claim 17 is allowable over *Nerone* in view of *Reymond* for at least the same reason as set forth with respect to independent claim 15 being allowable over *Nerone*. Withdrawal of the rejection of dependent claim 17 under U.S.C. §103(a) as being patentable over *Nerone* in view of *Reymond* is therefore respectfully requested.

Claim 24 depends from independent claim 22. Therefore, dependent claim 24 includes all of the elements and limitations of independent claim 22. It is therefore respectfully submitted by the Applicant that dependent claim 24 is allowable over *Nerone* in view of *Reymond* for at least the same reason as set forth with respect to independent claim 22 being allowable over *Nerone*. Withdrawal of the rejection of dependent claim 24 under U.S.C. §103(a) as being patentable over *Nerone* in view of *Reymond* is therefore respectfully requested.

Claim 30 depends from independent claim 29. Therefore, dependent claim 30 includes all of the elements and limitations of independent claim 29. It is therefore respectfully submitted by the Applicant that dependent claim 30 is allowable over *Nerone* in view of *Reymond* for at least the same reason as set forth with respect to independent claim 29 being allowable over *Nerone*. Withdrawal of the rejection of dependent claim 30 under U.S.C. §103(a) as being patentable over *Nerone* in view of *Reymond* is therefore respectfully requested.

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SUMMARY

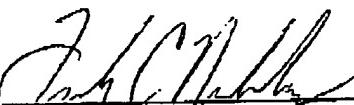
Examiner Dinh's §§102(e), 103(a) and 112, ¶2 rejections of claims 11-30 have been obviated by the amendment herein of claims 11, 13-15, 18, 20, 22, 25, 27, and 29, and by the remarks herein supporting an allowance of 11-30 over *Nerone*. The Applicant respectfully submits that claims 11-30 as amended herein fully satisfy the requirements of 35 U.S.C. §§ 102, 103 and 112. In view of the foregoing, favorable consideration and early passage to issue of the present application is respectfully requested. If any points remain in issue that may best be resolved through a personal or telephonic interview, Examiner Dinh is respectfully requested to contact the undersigned at the telephone number listed below.

Dated: August 4, 2003Respectfully submitted,
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